



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

**RBW6500X01611-W142E-3T-**

**13**

**Job Sheet 198293**



**Part No:** RBW6500X01611-W142E-3T-13 **Job Qty:** 4 pcs

**Part Name:** Threaded Rod



**Part Weight:** 0 lbs

**Status:** New

**Priority:** Medium

**Job Created:** 7/24/19

**Job Tracking No:**

**Due Date:** 9/13/19

**Created By:** Marie Lajeunesse

**Type:** SOLD

**Description:**

**Note:** DWG RBW6500X01611-W142E-3T REV 4 IPP Rev. A 19.04.05 New issue DP Verify DD

**Ship Via:**

### Bill of Materials

### Job Routing

| Op No | Operation              | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier    |           | Sign-off |
|-------|------------------------|-------|------------|----------|-----------|---------|------------------------|-----------|----------|
|       |                        |       |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier  | Lead Time |          |
| 120   | Conventional Lathe - 1 | 4 pcs | 9/13/19    | 9/13/19  | 0.00      | 0.40    | Conventional Lathe - 1 |           |          |
|       |                        |       |            |          |           |         | Conventional Lathe - 2 |           |          |
| 130   | QC 2                   | 4 pcs | 9/13/19    | 9/13/19  | 0.00      | 0.00    | QC 2 - 1               |           |          |
|       |                        |       |            |          |           |         | QC 2 - 12              |           |          |
|       |                        |       |            |          |           |         | QC 2 - 14              |           |          |
|       |                        |       |            |          |           |         | QC 2 - 17              |           |          |
|       |                        |       |            |          |           |         | QC 2 - 19              |           |          |
|       |                        |       |            |          |           |         | QC 2 - 2               |           |          |
|       |                        |       |            |          |           |         | QC 2 - 20              |           |          |
|       |                        |       |            |          |           |         | QC 2 - 22              |           |          |
|       |                        |       |            |          |           |         | QC 2 - 23              |           |          |
|       |                        |       |            |          |           |         | QC 2 - 25              |           |          |
|       |                        |       |            |          |           |         | QC 2 - 32              |           |          |
|       |                        |       |            |          |           |         | QC 2 - 33              |           |          |
|       |                        |       |            |          |           |         | QC 2 - 35              |           |          |
|       |                        |       |            |          |           |         | QC 2 - 39              |           |          |
|       |                        |       |            |          |           |         | QC 2 - 4               |           |          |
|       |                        |       |            |          |           |         | QC 2 - 40              |           |          |
|       |                        |       |            |          |           |         | QC 2 - 44              |           |          |
|       |                        |       |            |          |           |         | QC 2 - 45              |           |          |
|       |                        |       |            |          |           |         | QC 2 - 48              |           |          |
|       |                        |       |            |          |           |         | QC 2 - 49              |           |          |
|       |                        |       |            |          |           |         | QC 2 - 50              |           |          |
|       |                        |       |            |          |           |         | QC 2 - 51              |           |          |
|       |                        |       |            |          |           |         | QC 2 - 52              |           |          |
|       |                        |       |            |          |           |         | QC 2 - 57              |           |          |
|       |                        |       |            |          |           |         | QC 2 - 62              |           |          |
|       |                        |       |            |          |           |         | QC 2 - 63              |           |          |
|       |                        |       |            |          |           |         | QC 2 - 8               |           |          |
|       |                        |       |            |          |           |         | QC 2 - 66              |           |          |
|       |                        |       |            |          |           |         | QC 2 - 64              |           |          |

Plex 7/24/19 2:24 PM Dart.lajeunesse.marie



**Container No:** S209475



**Part:** RBW6500X01611-W142E-3T-13

**Job No:** 198293

**Serial No/Batch:** S209475

**Revision:** 4

**Inspector:**

**Exp Date:**

**Instructions:**

Dart Aerospace Ltd.  
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TEL.: 1 613 632-5200  
Email: sales@dartaero.com  
www.dartaerospace.com

Date: 08/27/19

|                                 |       |         |           |                        |              |
|---------------------------------|-------|---------|-----------|------------------------|--------------|
| 140 QC 8                        | 4 pcs | 9/13/19 | 0.00 0.00 | QC 2 - 65              |              |
|                                 |       |         |           | QC 2 - 5               |              |
|                                 |       |         |           | QC 2 - 71              |              |
|                                 |       |         |           | QC 2 - 73              |              |
|                                 |       |         |           | QC 2 - 69              |              |
|                                 |       |         |           | QC 8 - 12              |              |
|                                 |       |         |           | QC 8 - 14              |              |
|                                 |       |         |           | QC 8 - 17              |              |
|                                 |       |         |           | QC 8 - 20              |              |
|                                 |       |         |           | QC 8 - 25              |              |
|                                 |       |         |           | QC 8 - 3               |              |
|                                 |       |         |           | QC 8 - 32              |              |
|                                 |       |         |           | QC 8 - 33              |              |
|                                 |       |         |           | QC 8 - 35              |              |
|                                 |       |         |           | QC 8 - 39              |              |
|                                 |       |         |           | QC 8 - 4               |              |
|                                 |       |         |           | QC 8 - 44              |              |
|                                 |       |         |           | QC 8 - 45              |              |
|                                 |       |         |           | QC 8 - 49              |              |
|                                 |       |         |           | QC 8 - 58              |              |
|                                 |       |         |           | QC 8 - 8               | B-e 19-08-30 |
|                                 |       |         |           | QC 8 - 9               |              |
|                                 |       |         |           | QC 8 - 68              |              |
|                                 |       |         |           | QC 8 - 67              |              |
|                                 |       |         |           | QC 8 - 1 (A)           |              |
|                                 |       |         |           | QC 8 - 47              |              |
|                                 |       |         |           | QC 8 - 40              |              |
|                                 |       |         |           | QC 8 - 52              |              |
|                                 |       |         |           | QC 8 - 23              |              |
|                                 |       |         |           | QC 8 - 57              |              |
| 150 Packaging 3-1 - Stock - B4B | 4 pcs | 9/13/19 | 0.00 0.00 | Packaging 3 - 1 - B4B  |              |
|                                 |       |         |           | Packaging 3 - 2 - B4B  |              |
|                                 |       |         |           | Packaging 3 - 3 - B4B  |              |
|                                 |       |         |           | Packaging 3 - 4 - B4B  |              |
|                                 |       |         |           | Packaging 3 - 5 - B4B  |              |
|                                 |       |         |           | Packaging 3 - 6 - B4B  |              |
|                                 |       |         |           | Packaging 3 - 7 - B4B  |              |
|                                 |       |         |           | Packaging 3 - 8 - B4B  |              |
|                                 |       |         |           | Packaging 3 - 9 - B4B  |              |
|                                 |       |         |           | Packaging 3 - 10 - B4B |              |
|                                 |       |         |           | Packaging 3 - 11 - B4B |              |
|                                 |       |         |           | Packaging 3 - 12 - B4B | Q            |
|                                 |       |         |           | Packaging 3 - 13 - B4B |              |
|                                 |       |         |           | Packaging 3 - 14 - B4B |              |
|                                 |       |         |           | Packaging 3 - 15 - B4B |              |
|                                 |       |         |           | Packaging 3 - 16 - B4B |              |
|                                 |       |         |           | Packaging 3 - 17 - B4B |              |
|                                 |       |         |           | Packaging 3 - 18 - B4B |              |
|                                 |       |         |           | Packaging 3 - 19 - B4B |              |
|                                 |       |         |           | Packaging 3 - 20 - B4B |              |
|                                 |       |         |           | Packaging 3 - 21 - B4B |              |
|                                 |       |         |           | Packaging 3 - 22 - B4B |              |
|                                 |       |         |           | Packaging 3 - 23 - B4B |              |
|                                 |       |         |           | Packaging 3 - 24 - B4B |              |
|                                 |       |         |           | Packaging 3 - 25 - B4B |              |
|                                 |       |         |           | Packaging 3 - 26 - B4B |              |
|                                 |       |         |           | Packaging 3 - 27 - B4B |              |
|                                 |       |         |           | Packaging 3 - 28 - B4B |              |
|                                 |       |         |           | Packaging 3 - 29 - B4B |              |

[Dart Hawkesbury] Job Sheet - Lajeunesse, Marie

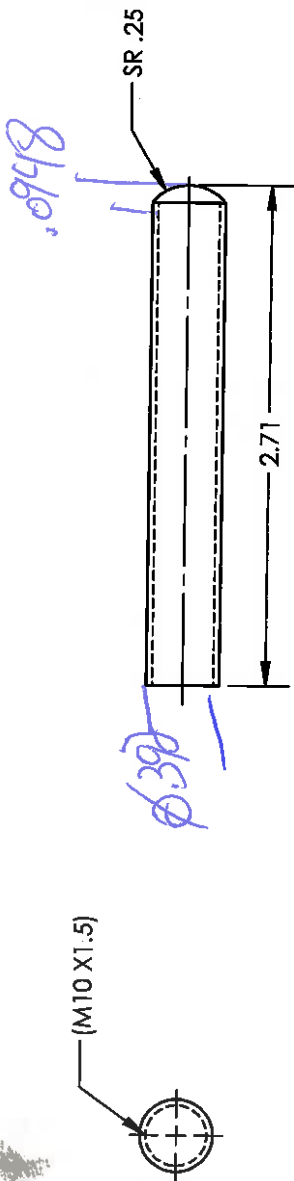
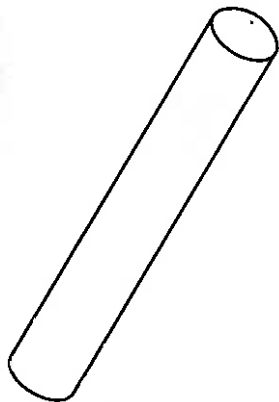
|                                                                                                                                                                                                                                                                                                                                                            |                                                                                        |                   |                                   |                                                                                                       |                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------|----------------|
|                                                                                                                                                                                                                                                                                                                                                            |                                                                                        |                   |                                   | Packaging 3 - 30 - B4B                                                                                |                |
|                                                                                                                                                                                                                                                                                                                                                            |                                                                                        |                   |                                   | Packaging 3 - 31 - B4B                                                                                |                |
|                                                                                                                                                                                                                                                                                                                                                            |                                                                                        |                   |                                   | Packaging 3 - 32 - B4B                                                                                |                |
|                                                                                                                                                                                                                                                                                                                                                            |                                                                                        |                   |                                   | Packaging 3 - 33 - B4B                                                                                |                |
|                                                                                                                                                                                                                                                                                                                                                            |                                                                                        |                   |                                   | Packaging 3 - 34 - B4B                                                                                |                |
|                                                                                                                                                                                                                                                                                                                                                            |                                                                                        |                   |                                   | Packaging 3 - 35 - B4B                                                                                |                |
|                                                                                                                                                                                                                                                                                                                                                            |                                                                                        |                   |                                   | Packaging 3 - 36 - B4B                                                                                |                |
| 160 QC 21 - SA                                                                                                                                                                                                                                                                                                                                             | 4 pcs                                                                                  | 9/13/19           | 0.00 0.00                         | QC 21 - SA - 21                                                                                       |                |
|                                                                                                                                                                                                                                                                                                                                                            |                                                                                        |                   |                                   | QC 21 - SA - 70                                                                                       | DAG            |
|                                                                                                                                                                                                                                                                                                                                                            |                                                                                        |                   |                                   | QC 21 - SA - 53                                                                                       | 21 SEP 03 2019 |
| <p>Part Op 120 - 1-Machine as per DWG. 2-Debur<br/>                 Descriptions: 130 - (QC2- Inspect parts off machine FAI/FAIB)<br/>                 140 - (QC8- Inspect parts - second check)<br/>                 150 - (Identify as per dwg &amp; Stock Location: _____)<br/>                 160 - (QC21- Final Inspection - Work Order Release)</p> |                                                                                        |                   |                                   |                                                                                                       |                |
| <b>Job BOM</b>                                                                                                                                                                                                                                                                                                                                             |                                                                                        |                   |                                   |                                                                                                       |                |
| <b>Part / Item</b>                                                                                                                                                                                                                                                                                                                                         | <b>Component Name</b>                                                                  | <b>Quantity</b>   | <b>Operation</b>                  | <b>Container</b>                                                                                      |                |
| 99055A231                                                                                                                                                                                                                                                                                                                                                  | Threaded Rod, Class 8.8 Medium-Strength Steel, M10 X 1.5 mm<br>Thread Size 300 mm Long | .1600 Ea (.04 ea) | 120-<br>Conventional<br>Lathe - 1 | <br>20/21<br>GA044 |                |
| <b>Job Allocations</b>                                                                                                                                                                                                                                                                                                                                     |                                                                                        |                   |                                   |                                                                                                       |                |
| <b>Operation</b>                                                                                                                                                                                                                                                                                                                                           | <b>Component Part</b>                                                                  | <b>Required</b>   | <b>Inventory</b>                  | <b>Allocated</b>                                                                                      |                |
| 120-Conventional Lathe - 1                                                                                                                                                                                                                                                                                                                                 | 99055A231                                                                              | 0                 | 0                                 | 0                                                                                                     |                |
| <b>Part Specifications</b>                                                                                                                                                                                                                                                                                                                                 |                                                                                        |                   |                                   |                                                                                                       |                |
| Specifications could not be found.                                                                                                                                                                                                                                                                                                                         |                                                                                        |                   |                                   |                                                                                                       |                |

Plex 7/24/19 2:24 PM Dart.lajeunesse.marie



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| REVISIONS |         |     | DESCRIPTION                    |          |         |
|-----------|---------|-----|--------------------------------|----------|---------|
| REV       | ECR     |     |                                | DATE     | INITIAL |
| 1         | 14-0215 | -13 | ADDED DWG.                     | 11/12/14 | RJC     |
| 3         | 15-0128 | -13 | CH'D DIM WAS SR .27 IS SR .25. | 6/4/2015 | RJC     |
|           |         |     |                                |          | JAG     |



SHOP COPY  
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WITHOUT NOTICE  
WORK ORDER  
NO. ~~198293~~ 198293  
ML5 19-07-25



|                                           |  |                                 |  |
|-------------------------------------------|--|---------------------------------|--|
| TITLE                                     |  | OIL SEAL HOUSING REMOVAL PULLER |  |
| DWG NO.                                   |  | RBW6500X01611-W142E-3T-13       |  |
| MATERIAL                                  |  | STEEL                           |  |
| UNLESS OTHERWISE SPECIFIED                |  | DRAWN BY: PERRITT               |  |
| DIMENSIONS ARE IN INCHES                  |  | APPROVED: <i>[Signature]</i>    |  |
| XXX ± .005                                |  | HEAT TREAT                      |  |
| XX ± .01                                  |  | FINISH                          |  |
| X ± .1                                    |  | SEE -11 WELDMENT                |  |
| 1. BREAK ALL SHARP EDGES .015 x .48"      |  | SPEC                            |  |
| 2. DIMENSIONAL LIMITS APPLY AFTER PLATING |  | USED ON MODEL                   |  |
|                                           |  | AW139                           |  |
| SCALE 1:1                                 |  | DATE 12/31/2008                 |  |
|                                           |  | SHEET 7 OF 8                    |  |

(-13)  
THREADED ROD

Entered:

Date:

## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No.

Route update only



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                         |                          |                                                                                                                 |                          |                                                                                                                                      |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------|--------------------------|-----------------------|--------------------------|----------|--------------------------|---------------------|--------------------------|---------------------|--------------------------|---------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-----------------|--------------------------|---------------|--------------------------|------------------|--------------------------|------------------|--------------------------|---------|--------------------------|-----------------------|--------------------------|---------------|--------------------------|-------------------|--------------------------|----------|--------------------------|-----------|--------------------------|-----------------|--------------------------|---------|--------------------------|--------|--------------------------|----------------------|--------------------------|------|--------------------------|--------|--------------------------|------------------------------|--------------------------|---------------------------------|--------------------------|--------------------|--------------------------|-------------------|--------------------------|---------------|--------------------------|-------------|--------------------------|-----------------|--------------------------|---------|--------------------------|------------|--------------------------|--------------|--------------------------|----------------|--------------------------|--|--|
| Job: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                          | DISPOSITION                                                                                             |                          | DEPARTMENT/PROCESS                                                                                              |                          | Engineering                                                                                                                          |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Part No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                          | Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> |                          | Cross tube <input type="checkbox"/><br>Small Fab <input type="checkbox"/><br>Finishing <input type="checkbox"/> |                          | Eng. (Non-AW) <input type="checkbox"/><br>Prod. Eng. Coord. <input type="checkbox"/><br>Rec/Store/Packaging <input type="checkbox"/> |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Date: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          | Sequence #: _____                                                                                       |                          | QTY Affected: _____                                                                                             |                          | MRB (QS1042)                                                                                                                         |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                          |                                                                                                         |                          | Disposition                                                                                                     |                          |                                                                                                                                      |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| <b>Root Cause</b><br><table border="1"> <tr> <td>Operator</td><td><input type="checkbox"/></td> </tr> <tr> <td>Manufacturing Process</td><td><input type="checkbox"/></td> </tr> <tr> <td>Equip/Tooling</td><td><input type="checkbox"/></td> </tr> <tr> <td>Handling/Preservation</td><td><input type="checkbox"/></td> </tr> <tr> <td>Material</td><td><input type="checkbox"/></td> </tr> <tr> <td>Product Improvement</td><td><input type="checkbox"/></td> </tr> <tr> <td>Process Improvement</td><td><input type="checkbox"/></td> </tr> <tr> <td>Human Factors</td><td><input type="checkbox"/></td> </tr> </table> |                          |                                                                                                         |                          | Operator                                                                                                        | <input type="checkbox"/> | Manufacturing Process                                                                                                                | <input type="checkbox"/> | Equip/Tooling | <input type="checkbox"/> | Handling/Preservation | <input type="checkbox"/> | Material | <input type="checkbox"/> | Product Improvement | <input type="checkbox"/> | Process Improvement | <input type="checkbox"/> | Human Factors | <input type="checkbox"/> | <b>FAULT CATEGORY</b><br><table border="1"> <tr> <td>Pressure/Forced</td><td><input type="checkbox"/></td> <td>Contamination</td><td><input type="checkbox"/></td> <td>Power Loss/Surge</td><td><input type="checkbox"/></td> <td>Positioned Wrong</td><td><input type="checkbox"/></td> </tr> <tr> <td>Bending</td><td><input type="checkbox"/></td> <td>Misaligned/off center</td><td><input type="checkbox"/></td> <td>Folio/Program</td><td><input type="checkbox"/></td> <td>Outside Tolerance</td><td><input type="checkbox"/></td> </tr> <tr> <td>Crushing</td><td><input type="checkbox"/></td> <td>BOM/Route</td><td><input type="checkbox"/></td> <td>Grain Direction</td><td><input type="checkbox"/></td> <td>Drawing</td><td><input type="checkbox"/></td> </tr> <tr> <td>Cracks</td><td><input type="checkbox"/></td> <td>Broken/Damage/Defect</td><td><input type="checkbox"/></td> <td>Weld</td><td><input type="checkbox"/></td> <td>Finish</td><td><input type="checkbox"/></td> </tr> <tr> <td>Crimp/Kink/Ripple/Wave/Twist</td><td><input type="checkbox"/></td> <td>Incomplete/Unclear Instructions</td><td><input type="checkbox"/></td> <td>Wrong Stock Pulled</td><td><input type="checkbox"/></td> <td>Part Lost/Missing</td><td><input type="checkbox"/></td> </tr> <tr> <td>Marks/Chatter</td><td><input type="checkbox"/></td> <td>Drill Holes</td><td><input type="checkbox"/></td> <td>Out of Sequence</td><td><input type="checkbox"/></td> <td>Misread</td><td><input type="checkbox"/></td> </tr> <tr> <td>Mislabeled</td><td><input type="checkbox"/></td> <td>Fit/Function</td><td><input type="checkbox"/></td> <td>Off-set/Set-up</td><td><input type="checkbox"/></td> <td></td><td></td> </tr> </table> |  |  |  | Pressure/Forced | <input type="checkbox"/> | Contamination | <input type="checkbox"/> | Power Loss/Surge | <input type="checkbox"/> | Positioned Wrong | <input type="checkbox"/> | Bending | <input type="checkbox"/> | Misaligned/off center | <input type="checkbox"/> | Folio/Program | <input type="checkbox"/> | Outside Tolerance | <input type="checkbox"/> | Crushing | <input type="checkbox"/> | BOM/Route | <input type="checkbox"/> | Grain Direction | <input type="checkbox"/> | Drawing | <input type="checkbox"/> | Cracks | <input type="checkbox"/> | Broken/Damage/Defect | <input type="checkbox"/> | Weld | <input type="checkbox"/> | Finish | <input type="checkbox"/> | Crimp/Kink/Ripple/Wave/Twist | <input type="checkbox"/> | Incomplete/Unclear Instructions | <input type="checkbox"/> | Wrong Stock Pulled | <input type="checkbox"/> | Part Lost/Missing | <input type="checkbox"/> | Marks/Chatter | <input type="checkbox"/> | Drill Holes | <input type="checkbox"/> | Out of Sequence | <input type="checkbox"/> | Misread | <input type="checkbox"/> | Mislabeled | <input type="checkbox"/> | Fit/Function | <input type="checkbox"/> | Off-set/Set-up | <input type="checkbox"/> |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                                                                                                         |                          | Operator                                                                                                        | <input type="checkbox"/> |                                                                                                                                      |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Manufacturing Process                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input type="checkbox"/> |                                                                                                         |                          |                                                                                                                 |                          |                                                                                                                                      |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Equip/Tooling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <input type="checkbox"/> |                                                                                                         |                          |                                                                                                                 |                          |                                                                                                                                      |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Handling/Preservation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <input type="checkbox"/> |                                                                                                         |                          |                                                                                                                 |                          |                                                                                                                                      |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/> |                                                                                                         |                          |                                                                                                                 |                          |                                                                                                                                      |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Product Improvement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <input type="checkbox"/> |                                                                                                         |                          |                                                                                                                 |                          |                                                                                                                                      |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Process Improvement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <input type="checkbox"/> |                                                                                                         |                          |                                                                                                                 |                          |                                                                                                                                      |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Human Factors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <input type="checkbox"/> |                                                                                                         |                          |                                                                                                                 |                          |                                                                                                                                      |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Pressure/Forced                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <input type="checkbox"/> | Contamination                                                                                           | <input type="checkbox"/> | Power Loss/Surge                                                                                                | <input type="checkbox"/> | Positioned Wrong                                                                                                                     | <input type="checkbox"/> |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Bending                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <input type="checkbox"/> | Misaligned/off center                                                                                   | <input type="checkbox"/> | Folio/Program                                                                                                   | <input type="checkbox"/> | Outside Tolerance                                                                                                                    | <input type="checkbox"/> |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Crushing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <input type="checkbox"/> | BOM/Route                                                                                               | <input type="checkbox"/> | Grain Direction                                                                                                 | <input type="checkbox"/> | Drawing                                                                                                                              | <input type="checkbox"/> |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Cracks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <input type="checkbox"/> | Broken/Damage/Defect                                                                                    | <input type="checkbox"/> | Weld                                                                                                            | <input type="checkbox"/> | Finish                                                                                                                               | <input type="checkbox"/> |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Crimp/Kink/Ripple/Wave/Twist                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <input type="checkbox"/> | Incomplete/Unclear Instructions                                                                         | <input type="checkbox"/> | Wrong Stock Pulled                                                                                              | <input type="checkbox"/> | Part Lost/Missing                                                                                                                    | <input type="checkbox"/> |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Marks/Chatter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <input type="checkbox"/> | Drill Holes                                                                                             | <input type="checkbox"/> | Out of Sequence                                                                                                 | <input type="checkbox"/> | Misread                                                                                                                              | <input type="checkbox"/> |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Mislabeled                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <input type="checkbox"/> | Fit/Function                                                                                            | <input type="checkbox"/> | Off-set/Set-up                                                                                                  | <input type="checkbox"/> |                                                                                                                                      |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Other/Details: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                          |                                                                                                         |                          |                                                                                                                 |                          |                                                                                                                                      |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Completed By                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                          |                                                                                                         |                          | QC / QA Coordinator                                                                                             |                          |                                                                                                                                      |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |
| Lead hand / Supervisor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                          |                                                                                                         |                          |                                                                                                                 |                          |                                                                                                                                      |                          |               |                          |                       |                          |          |                          |                     |                          |                     |                          |               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                 |                          |               |                          |                  |                          |                  |                          |         |                          |                       |                          |               |                          |                   |                          |          |                          |           |                          |                 |                          |         |                          |        |                          |                      |                          |      |                          |        |                          |                              |                          |                                 |                          |                    |                          |                   |                          |               |                          |             |                          |                 |                          |         |                          |            |                          |              |                          |                |                          |  |  |